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Zhu, Y.M., X.B. Jia, D. Xiao, Z.H. Lu, Y. Wei, Z.H. Wu, Z.L. Hu and M.G. Xie, Characterization of the monolayer transition of a double-armed crown ether liquid crystal by liquid crystal alignment 188 (1994) 287
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Enrico Fermi International School of Physics, Volume 123

Nuclear Magnetic Double Resonance

Edited by **B. Maraviglia**

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Towards the Harnessing of Chaos

A Collection of Contributions Based on Lectures presented at the Seventh TOYOTA Conference, Mikkabi, Shizuoka, Japan, 31 October - 3 November, 1993

Edited by **M Yamaguti**

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Since the findings of R. May in 1974, chaos has become a popular subject of research in many science fields such as mathematics, physics, biology and chemistry. Recently it has been suggested that chaos may provide some applications in engineering fields. The word "harnessing" chosen in the title of this book is meant to suggest the taming of chaos, which seems to act like a living thing. This collection of papers presents a unique up-to-date review of the various applications of chaos in different fields.

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